

## NEW UNITED STATES UTILITY PATENT APPLICATION TRANSMITTAL

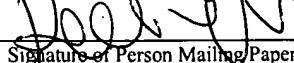
Atty. Docket No.: 25436/2233

**CERTIFICATE OF MAILING UNDER 37 CFR 1.10**

I hereby certify that the paper (and any paper or fee referred to as being enclosed) is being deposited with the United States Postal Service using Express Mail to Addressee Service, under 37 C.F.R. Section 1.10, **Express Mail Label No. EL932827000US** on this date, **October 23, 2003**, postage prepaid, in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kathleen M. Williams

Name of Person Mailing Paper



Signature of Person Mailing Paper

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

17497 U.S. PTO  
10/69/1874

**Enclosed herewith is a new patent application of:**

First Named Inventor (or application identifier): Larry R. Brown

Title of Invention: Apparatus and Method for Thermally Cycling Samples of Biological Material  
with Substantial Temperature Uniformity

Type:

☐

New

☐

Continuation of:

☐

Continuation-in-Part of:

☒

Divisional of: 09/364,051

which is hereby incorporated by reference in its entirety into the application filed herewith;

**and includes the following papers:**

1. ☒ Specification 38 pages (including specification, claims, abstract)/47 claims (3 independent)
2. ☒ Declaration/Power of Attorney is:
 

☐ Executed      ☐ Unexecuted      ☒ Executed copy from Parent Application  
☐ NOT included, but deferred under 37 C.F.R. § 1.53(f).
3. ☒ 20 Distinct sheets of ☒ Formal ☐ Informal Drawings
4. ☒ Application Data Sheet
5. ☐ Preliminary Amendment.
6. ☒ Information Disclosure Statement
 

☒ Form 1449      ☐ A copy of each cited prior art reference
7. ☐ Assignment with Recordation Cover Sheet.
8. ☐ Priority is hereby claimed under 35 U.S.C. § 119 based upon the following application(s):

Country	Application Number	Date of Filing (day, month, year)

9. ☐ Priority is hereby claimed under 35 U.S.C. § 120 based upon the following application(s):

Application Number	Date of Filing (day, month, year)

10. ☒ Priority is hereby claimed under 35 U.S.C. § 121 based upon the following application(s):

Application Number	Date of Filing (day, month, year)
09/364,051	July 30, 1999

The above applications from which priority is claimed are hereby incorporated in their entirety into the application filed herewith.

11. ☐ Priority document(s).
12. ☐ Microfiche Computer Program (Appendix).
13. ☐ Nucleotide and/or Amino Acid Sequence Submission.  
☐ Computer Readable Copy.  
☐ Paper Copy (identical to computer copy).  
☐ Statement verifying identity of above copies.
14. ☐ Request for Non-Publication and Certification under 35 USC 122 (b)(2)(B)(i)
15. ☒ Statement of Small Entity Status, Pursuant to 37 C.F.R. § 1.27.

16. Calculation of Fees:

FEES FOR	TOTAL CLAIMS	EXCESS CLAIMS	FEE	AMOUNT DUE
Basic Filing Fee (37 C.F.R. § 1.16(a))				\$770.00
Total Claims in <b>Excess of 20</b> (37 C.F.R. § 1.16(c))	47	27	\$18.00	486.00
Independent Claims in <b>Excess of 3</b> (37 C.F.R. § 1.16(b))	3	0	\$86.00	0.00
Multiple Dependent Claims (37 C.F.R. § 1.16(d))	No		\$280.00	0.00
Subtotal - Filing Fee Due				1256.00
Reduction by 50%, if Small Entity (37 C.F.R. §§ 1.9, 1.27, 1.28)	MULTIPLY BY 0.50			628.00
<b>TOTAL FILING FEE DUE</b>				628.00
Assignment Recordation Fee (if applicable) (37 C.F.R. § 1.21(h))	0		\$40.00	0.00
<b>GRAND TOTAL DUE</b>				<b>\$628.00</b>

17. PAYMENT is:  
☒ included in the amount of \$628.00 by our enclosed check. The Commissioner is hereby authorized to charge any deficiencies in the fees to Deposit Account 16-0085, Ref. 25436/2233.  
☐ not included, but deferred under 37 C.F.R. § 1.53(f).


18. All correspondence for the attached application should be directed to:

**Kathleen M. Williams**  
**Customer Number 27495**  
111 Huntington Avenue  
Boston, MA 02199-7613

19. Other: \_\_\_\_\_

Respectfully submitted,

Date: October 23, 2003

By:   
Name: Kathleen M. Williams  
Registration No.: 34,380

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Larry R. Brown
Serial No.:	Not Yet Assigned
Filed:	October 23, 2003
Entitled:	Apparatus and Method for Thermally Cycling Samples of Biological Material with Substantial Temperature Uniformity

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Kathleen M. Williams

Name of Person Mailing Paper



Signature of Person Mailing Paper

**Mail Stop Patent Application**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

**TRANSMITTAL LETTER**

Enclosed for filing in the above-identified patent application, please find the following documents:


1. New Patent Application Transmittal;
2. Patent Application (38 pages);
3. Transmittal of Formal Drawings;
4. Twenty (20) sheets of Formal drawings of Figs. 1-30;
5. Application Data Sheet;
6. Copy of the Declaration and Power of Attorney from Parent Application U.S. Serial No. 09/364,051;
7. Copy of Revocation and new Power of Attorney from Parent Application U.S. Serial No. 09/364,051;
8. Information Disclosure Statement;
9. Form PTO 1449 listing 28 references from Parent Application U.S. Serial No. 09/364,051;
10. Check in the amount of \$628.00 for the requisite filing fee; and
11. Return Post Card.

Pursuant to 37 C.F.R. § 1.27, Applicant claims small entity status.

The Commissioner for Patents is hereby authorized to charge any additional fees or credit any overpayment in the total fees to Deposit Account No. 16-0085, Reference No. 25436/2233.  
A duplicate of this transmittal letter is enclosed for this purpose.

Date: October 23, 2003

Respectfully submitted,



Name: Kathleen M. Williams

Registration No.: 34,380

Customer No.: 27495

Palmer & Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Larry R. Brown	Examiner:	Not Yet Assigned
Serial No.:	Not Yet Assigned	Group Art Unit:	Not Yet Assigned
Filed:	October 23, 2003		
Entitled:	Apparatus and Method for Thermally Cycling Samples of Biological Material with Substantial Temperature Uniformity		
		Conf. No.:	Not Yet Assigned

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Kathleen M. Williams

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Signature of Person Mailing Paper

**Attn: Official Draftsperson  
Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**TRANSMITTAL OF FORMAL DRAWINGS**

Enclosed please find formal drawings of Figures 1 – 30 on 20 separate sheets.

Acceptance of the formal drawings is respectfully requested.

Respectfully submitted,

Date: October 23, 2003

  
Name: Kathleen M. Williams

Registration No.: 34,380

Customer No.: 27495

Palmer &amp; Dodge LLP

111 Huntington Avenue

Boston, MA 02199-7613

Tel: 617-239-0100